

● FIG. 1a

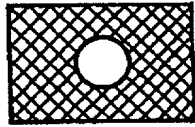


FIG. 1b

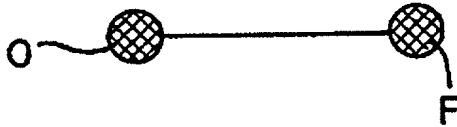


FIG. 1c

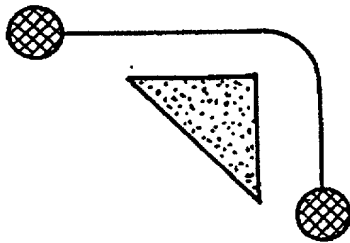


FIG. 1d

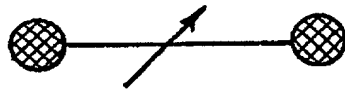


FIG. 1e

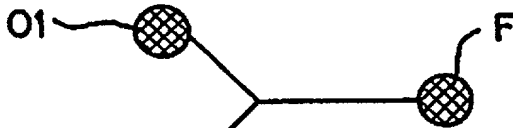


FIG. 1f

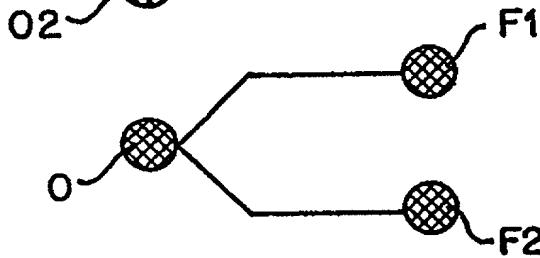


FIG. 1g

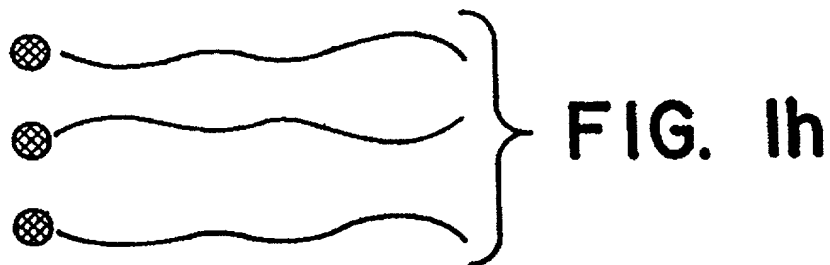


FIG. 1h

FIG. 2A

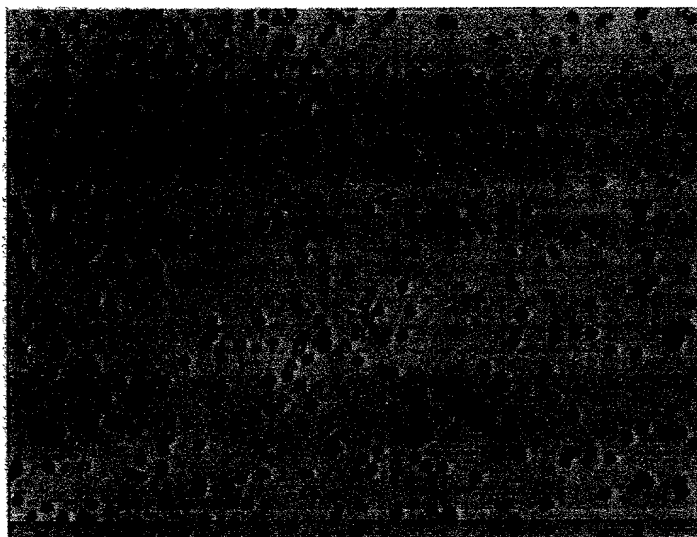
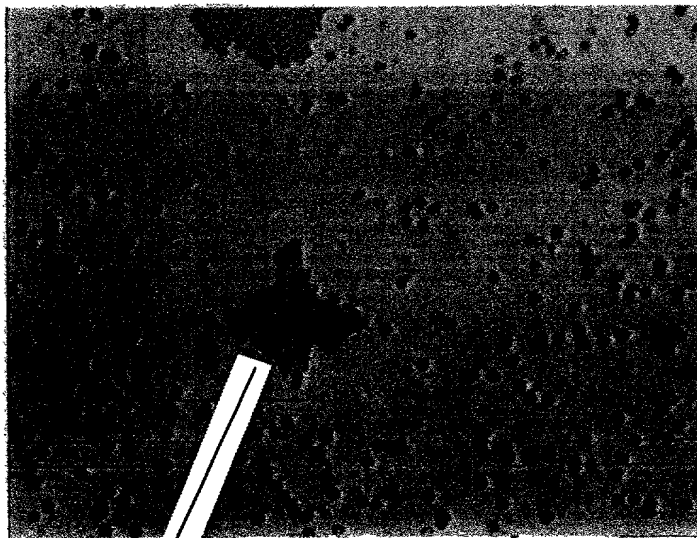


FIG. 2B



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FIG. 2C

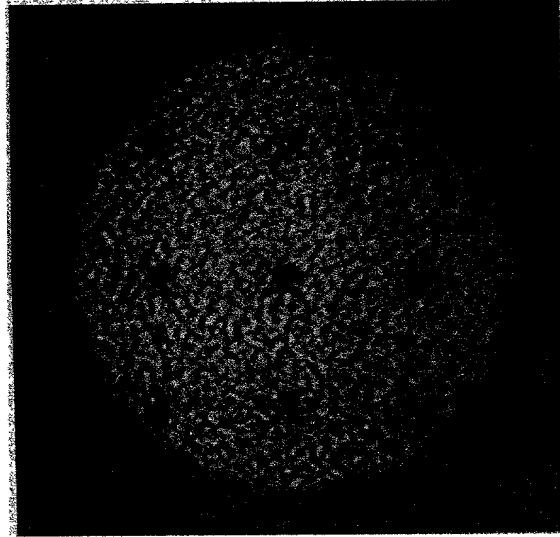


FIG. 2D

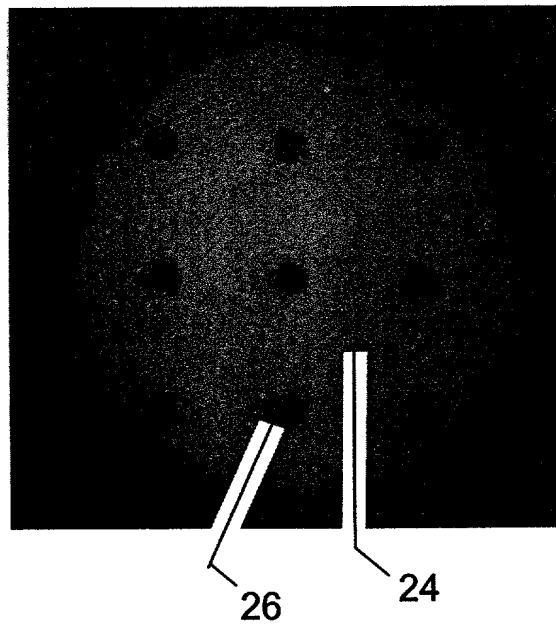


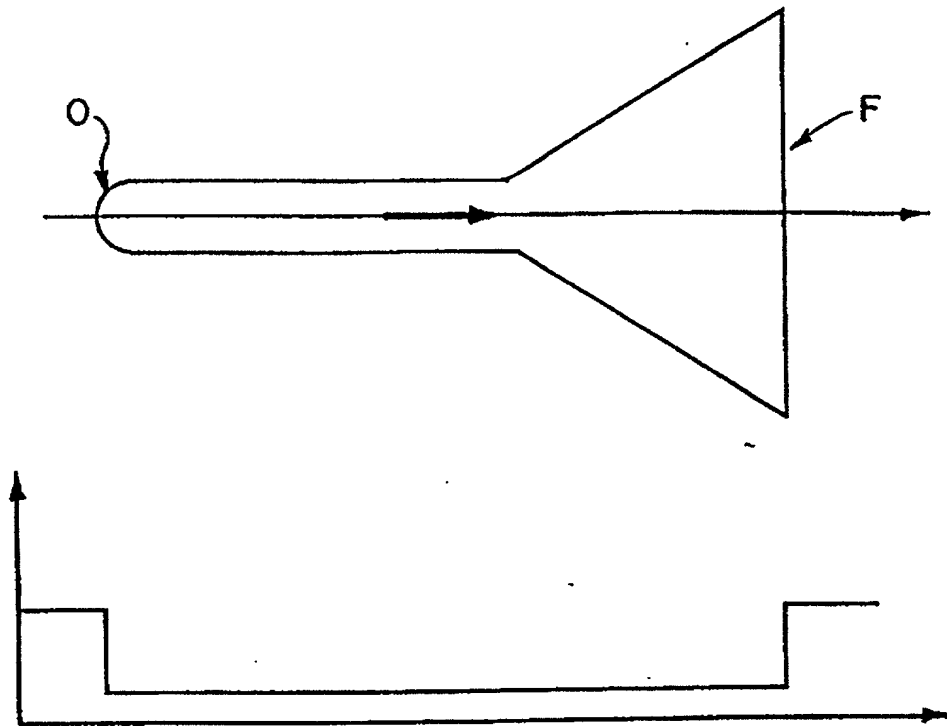
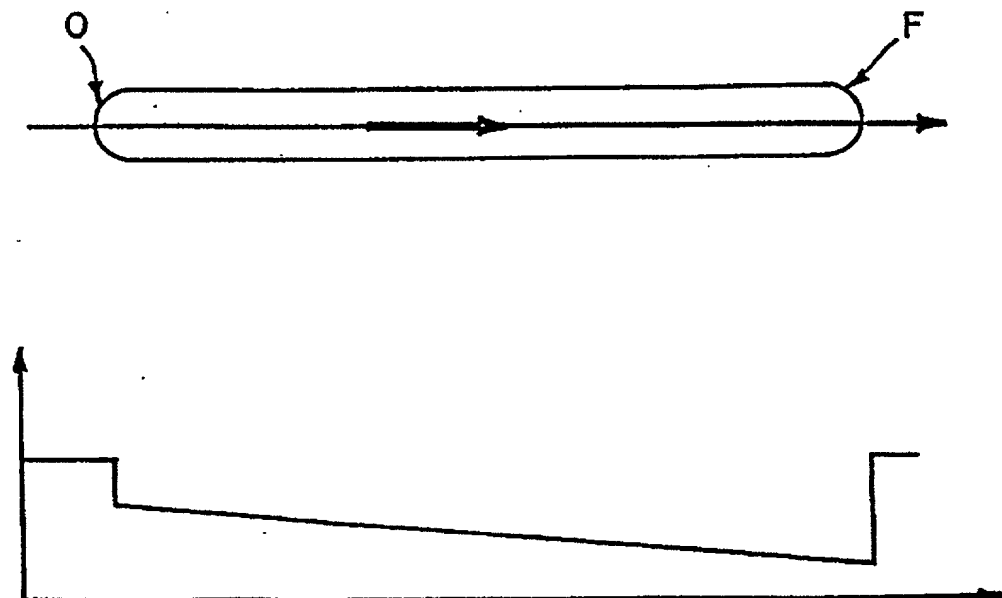
FIG. 3a**FIG. 3b**

FIG. 3C

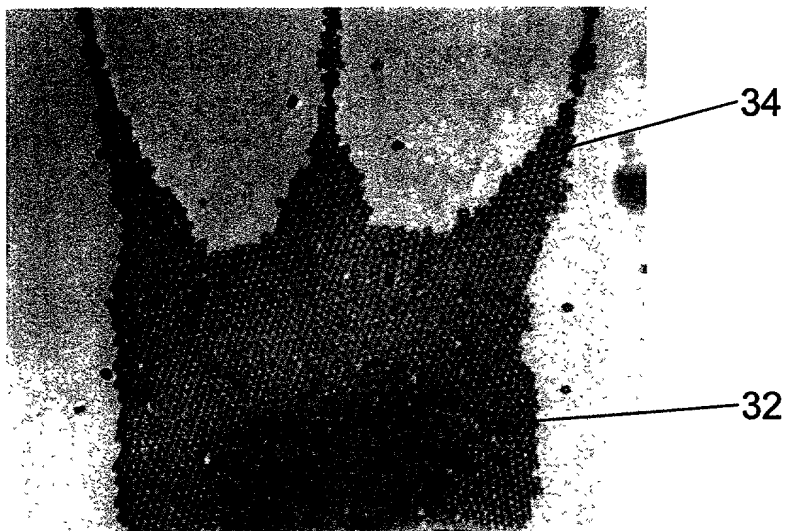


FIG. 3D



FIG. 4A

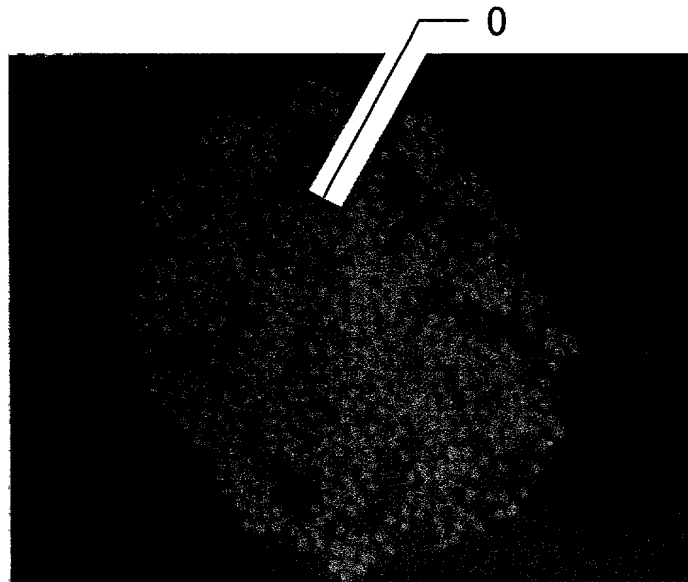


FIG. 4B

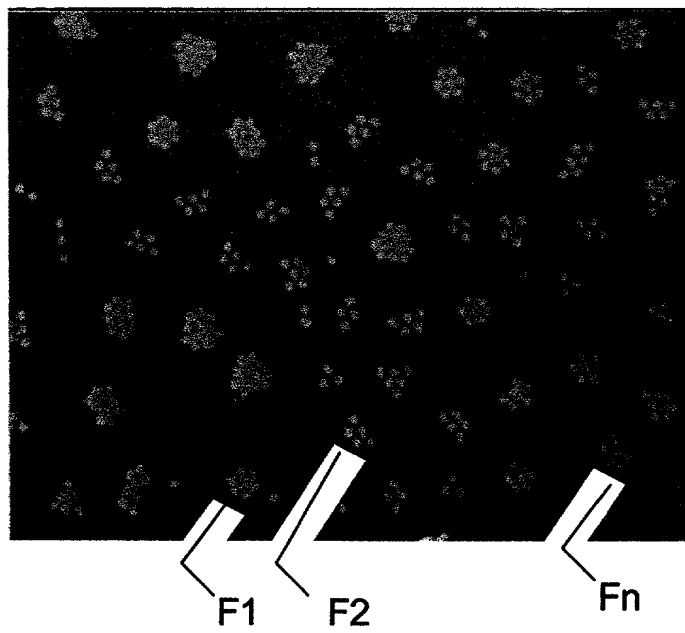


FIG. 5

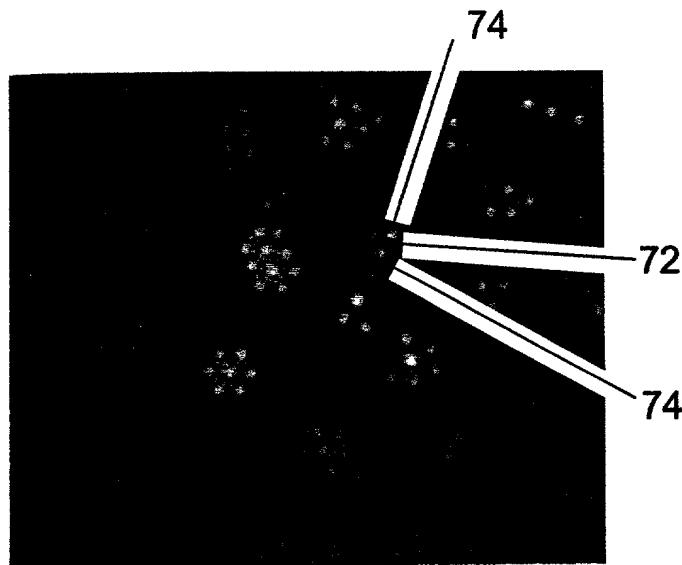
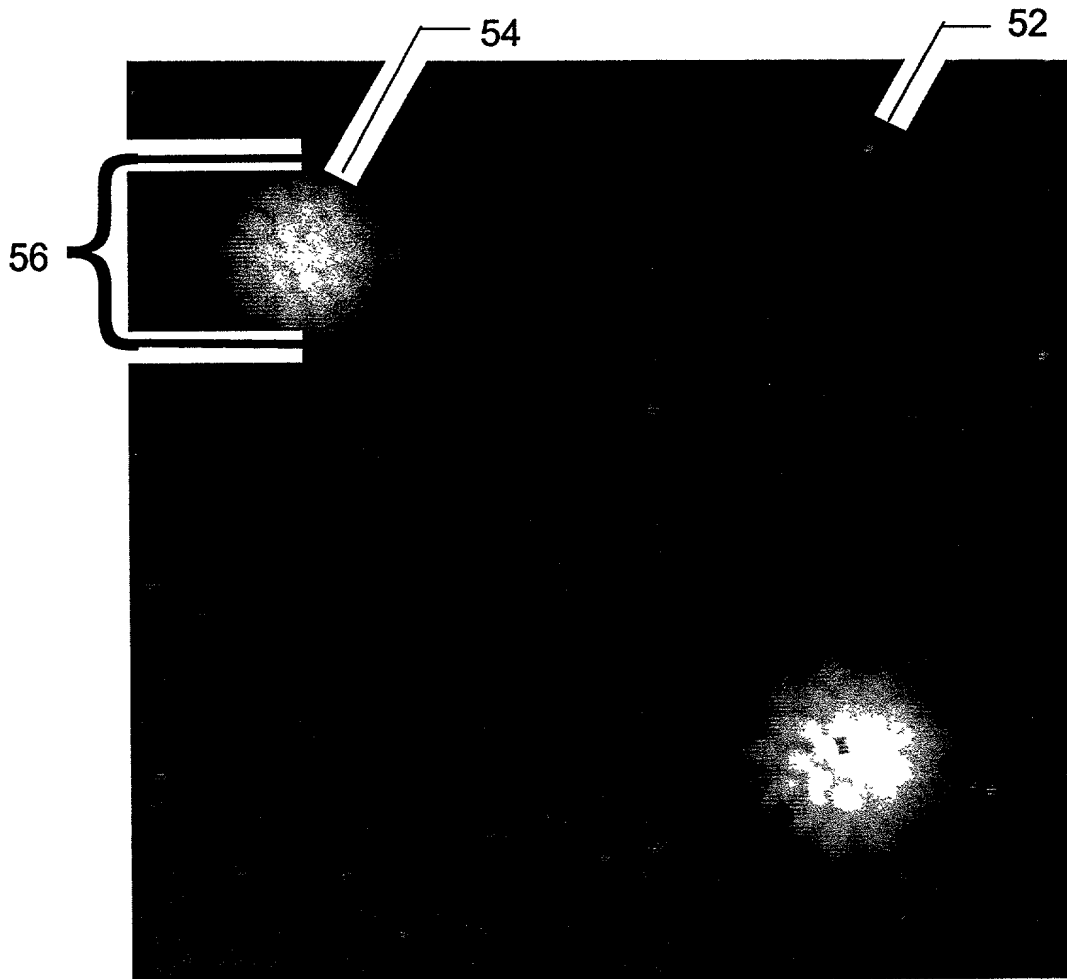


FIG. 7

FIG. 6a

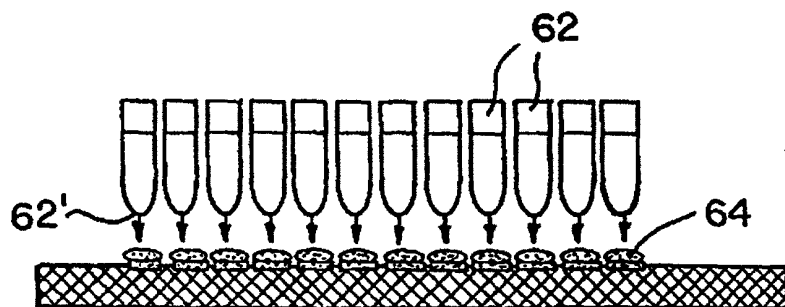


FIG. 6b

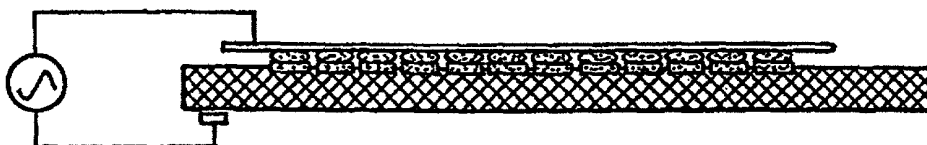


FIG. 6c



FIG. 8

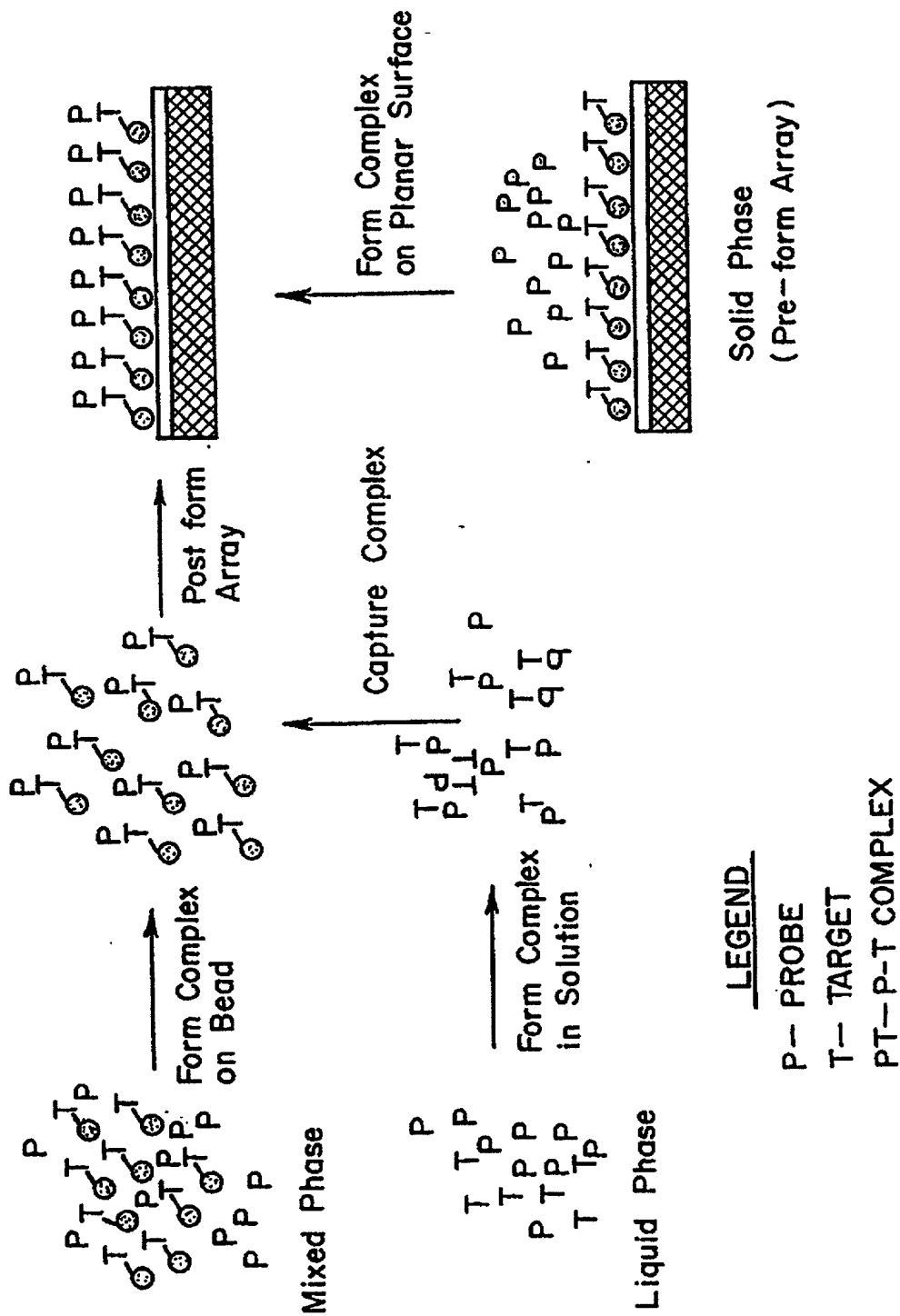


FIG. 9a

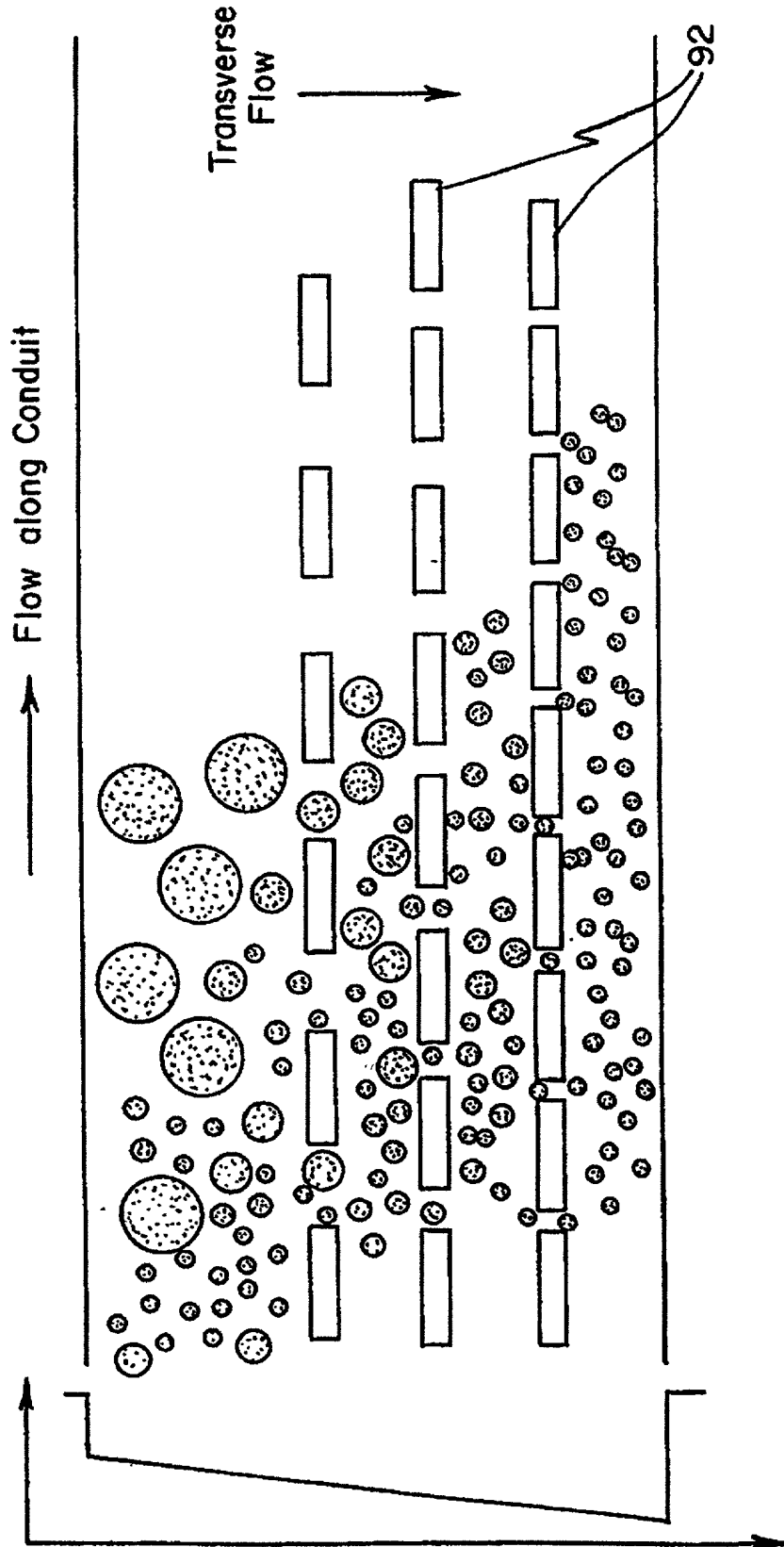


FIG. 9b

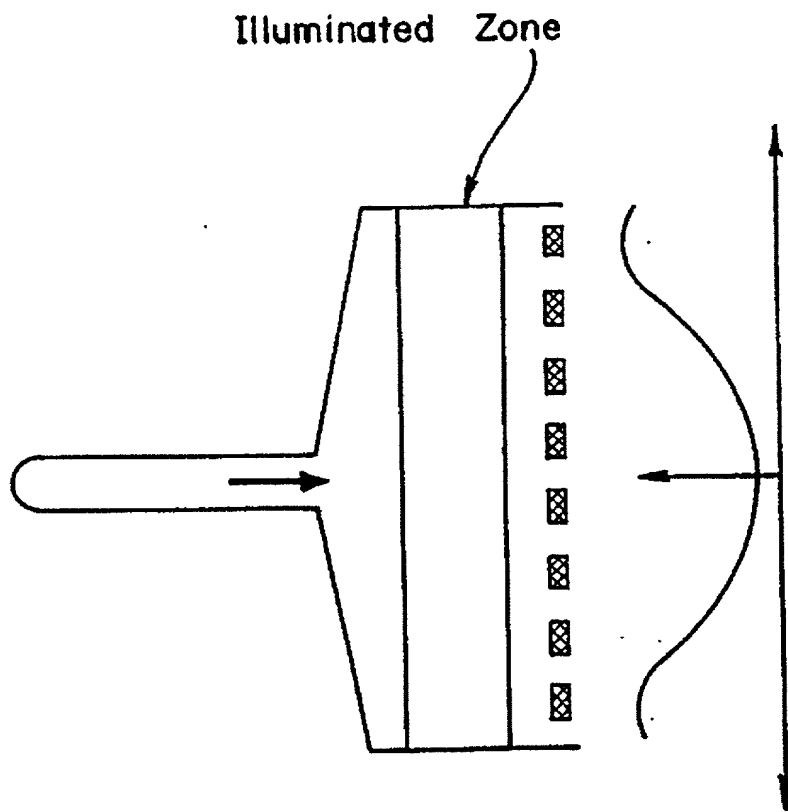


FIG. 9c



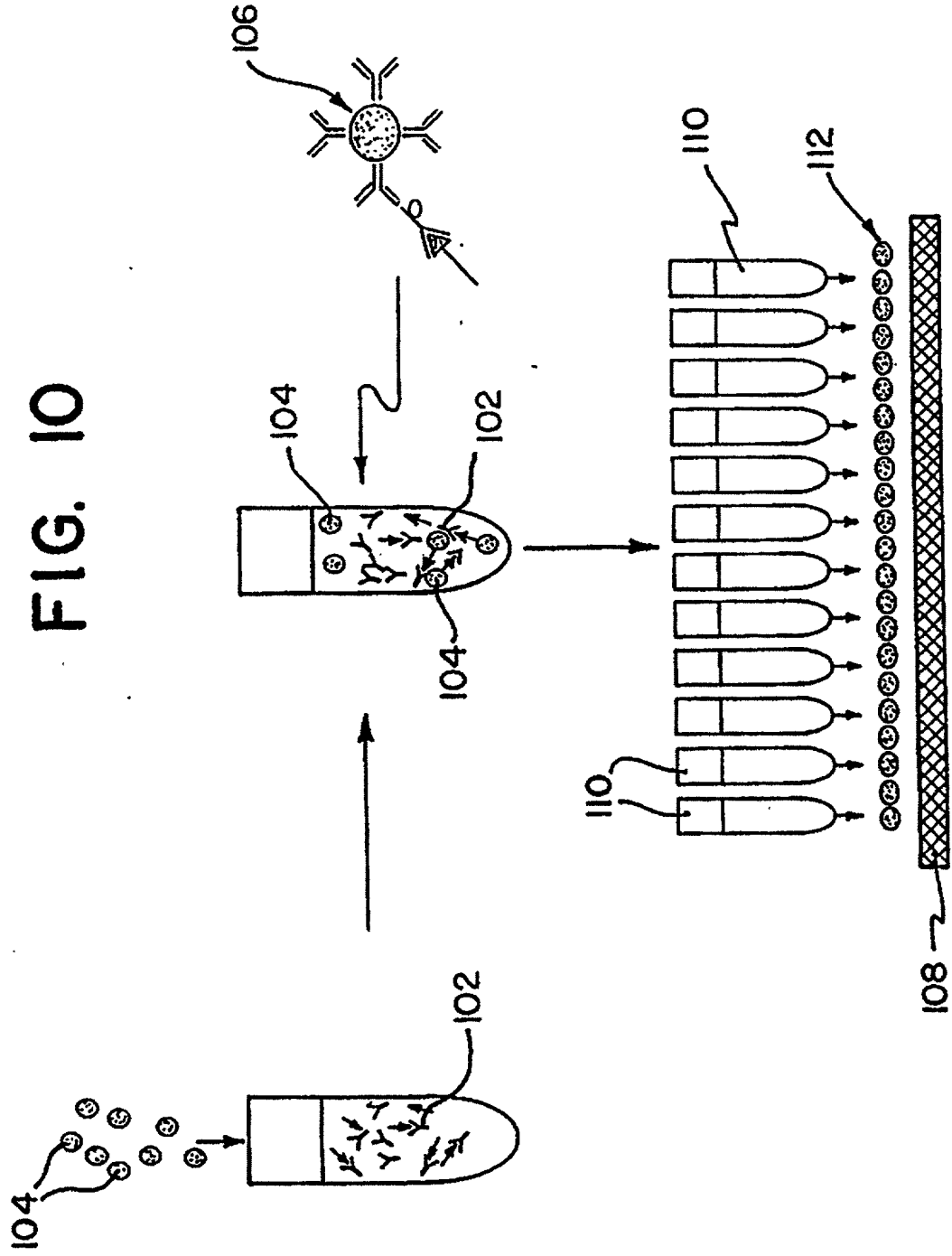


FIG. 11a

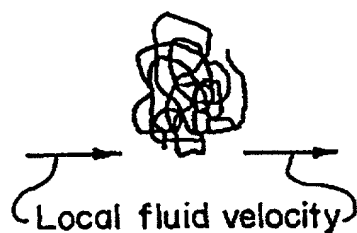


FIG. 11b

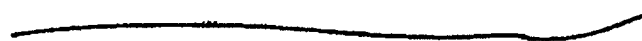


FIG. 11c

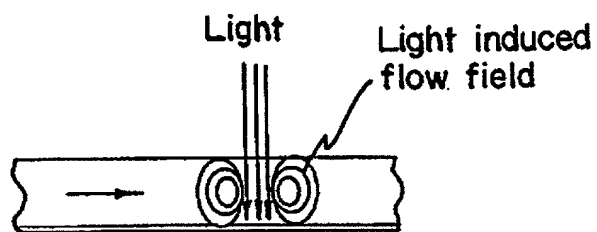


FIG. 11d

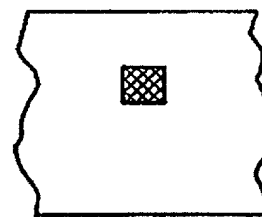
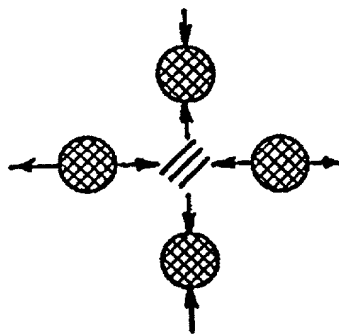
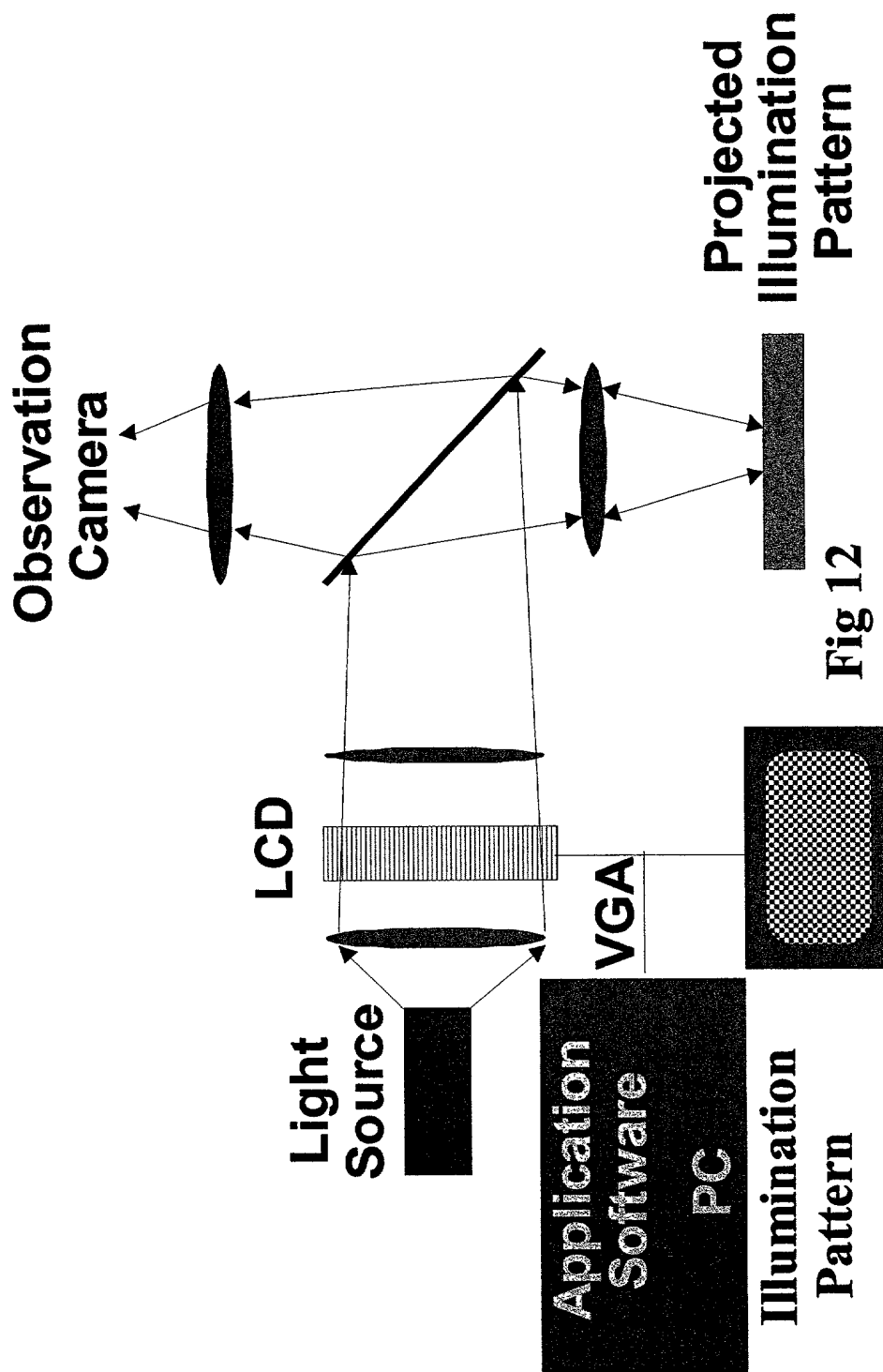


FIG. 11e



ILLUMINATION PATTERN GENERATOR



LCD-PARSE OPTICAL DESIGN

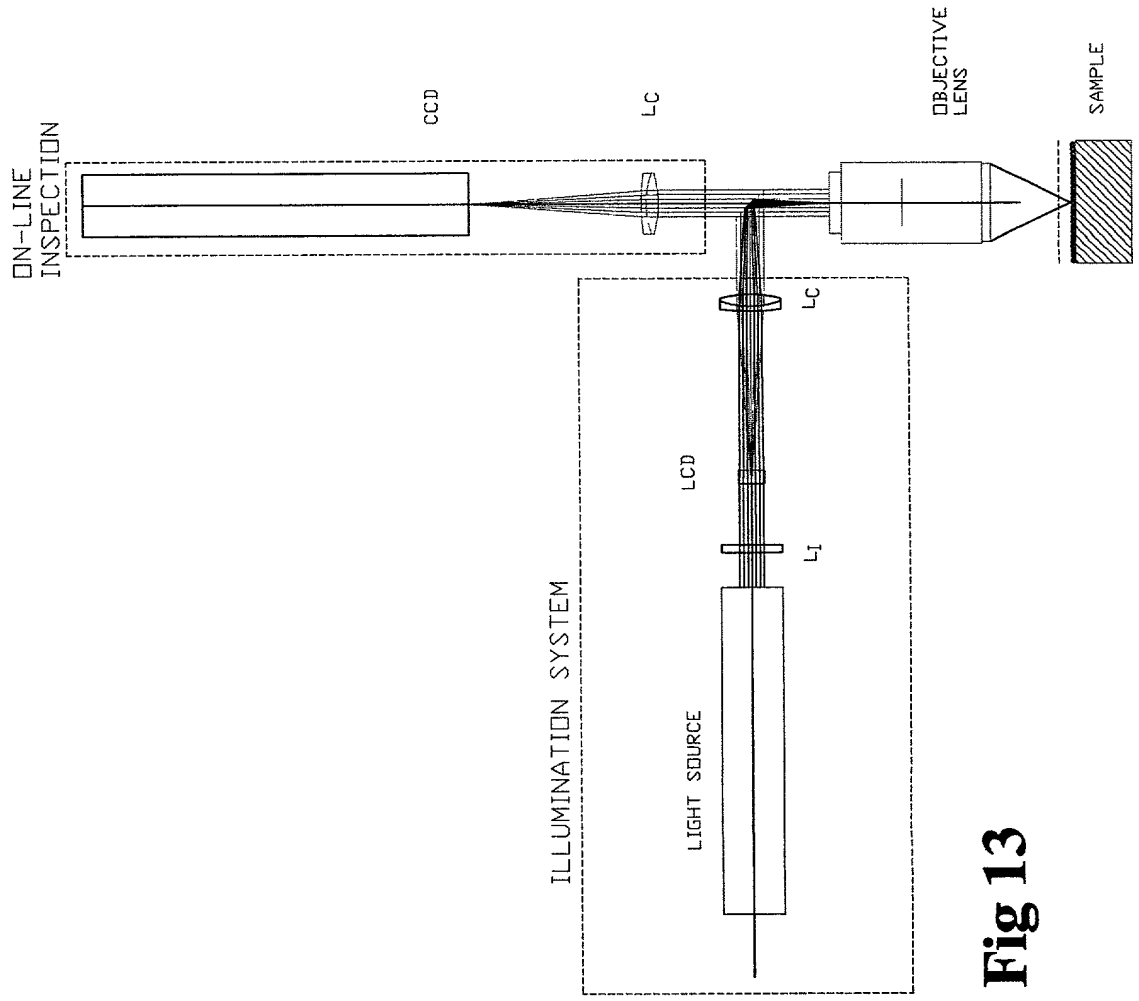


Fig 13

ARRAY SHAPE ADJUSTMENTS

CIRCLE

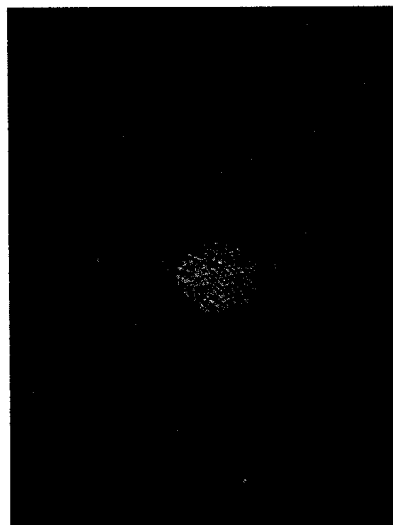


Figure 14a

HORIZONTAL. LINE



Figure 14c

VERTICAL LINE

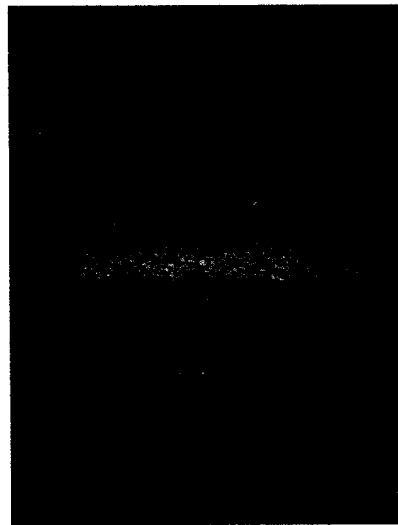


Figure 14b

SQUARE

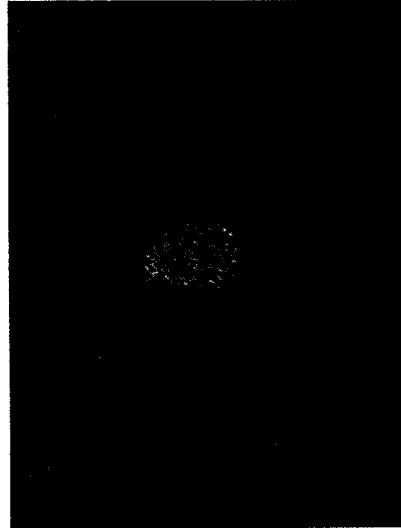


Figure 14d

COLLECTION AND ARRAY ASSEMBLY

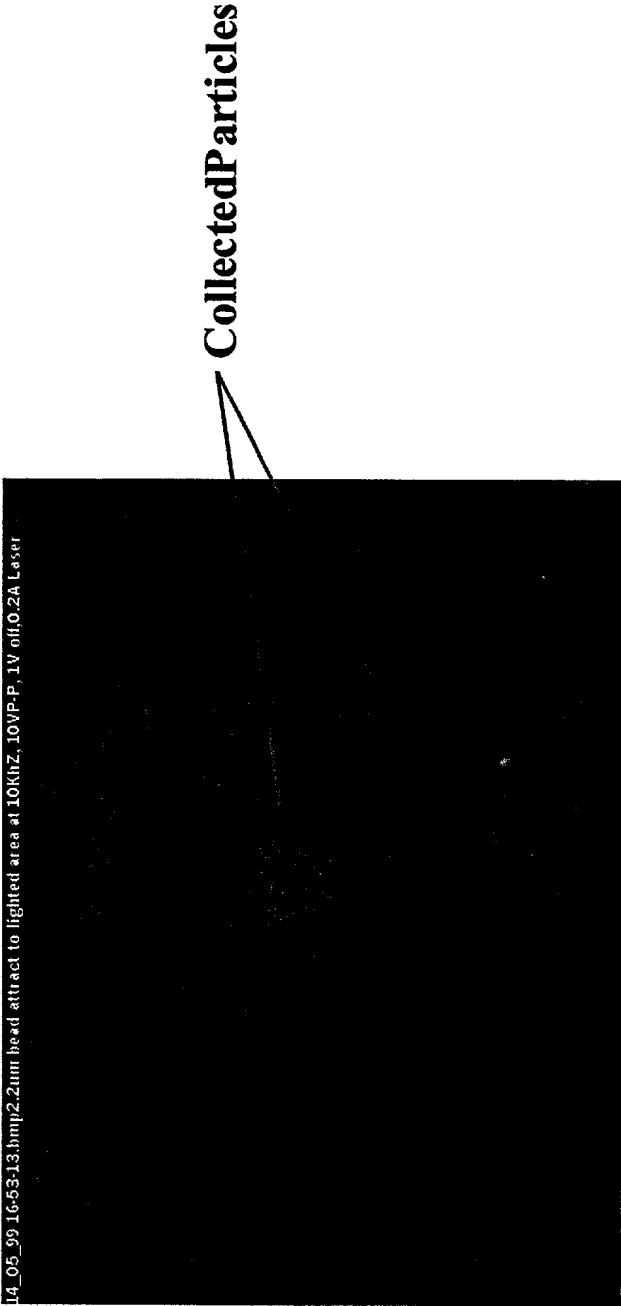


Figure 15a

EXPULSION AND CONFINEMENT

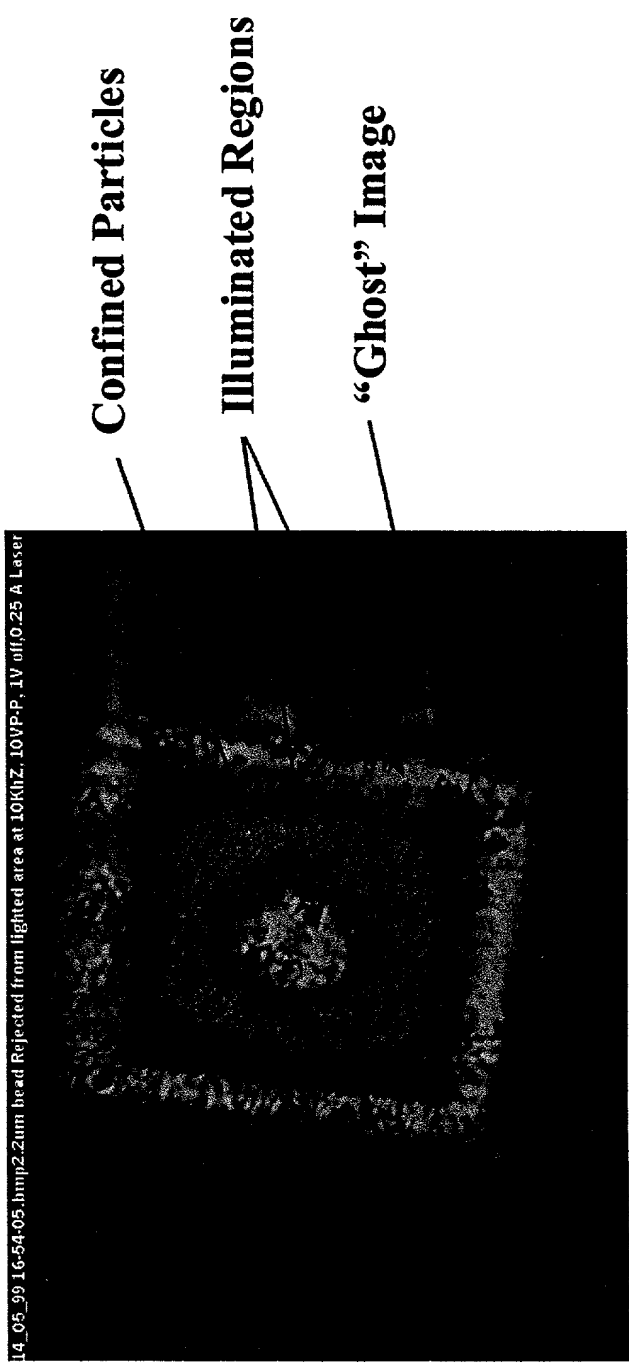


Figure 15b

DRAG AND DROP

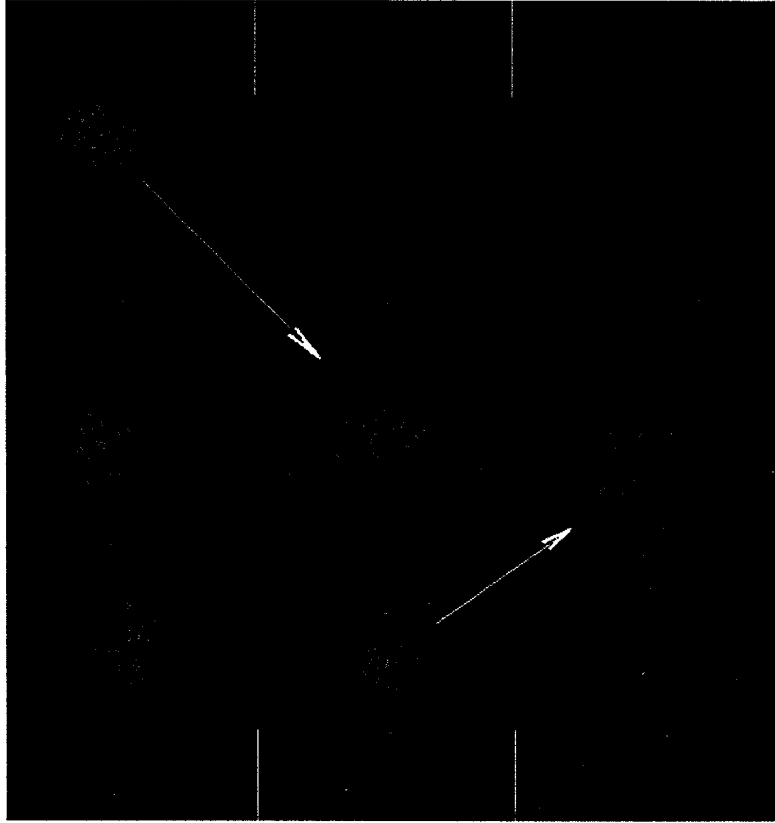


Figure 16

Programmable Array Reconfiguration and Segmentation

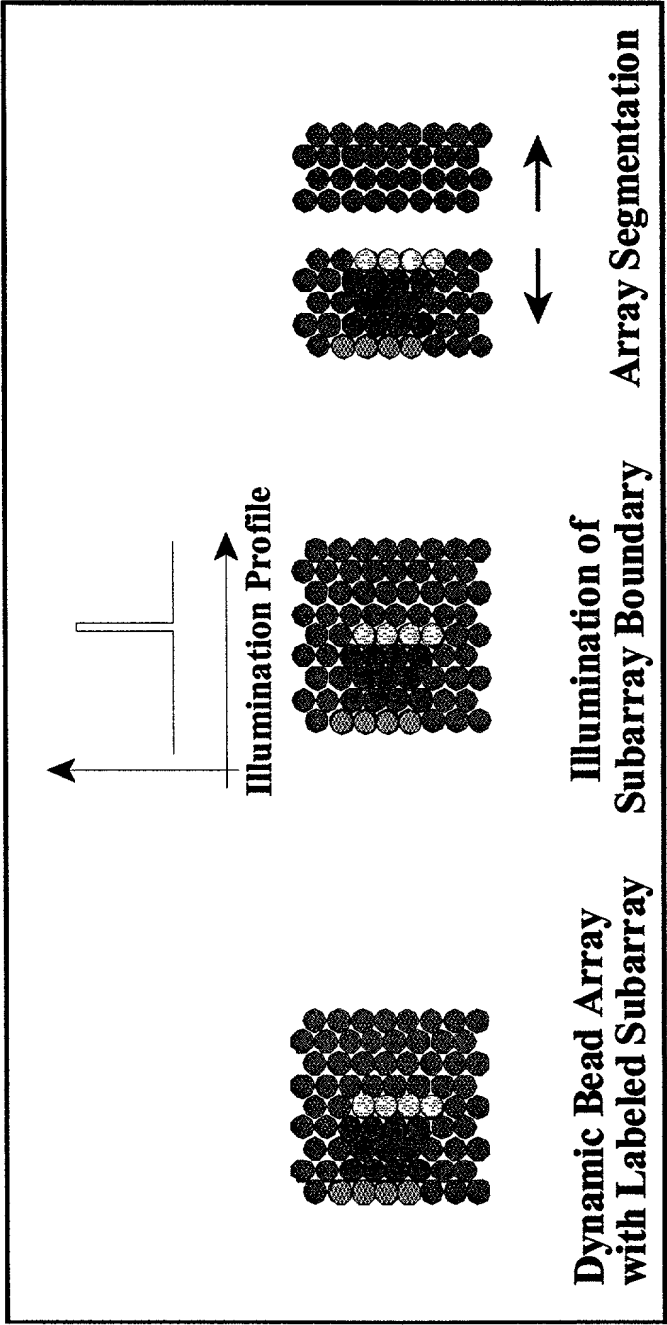


Figure 17

LCD PARSE

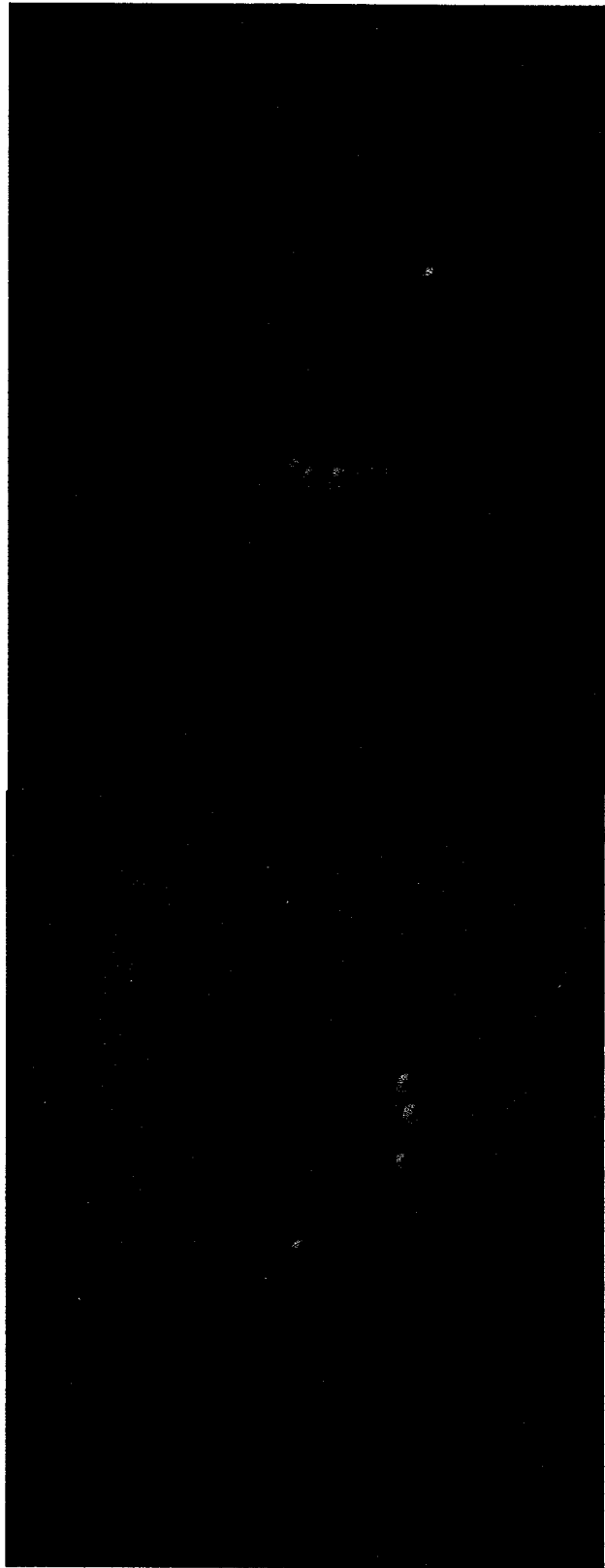


Figure 18a

Figure 18b

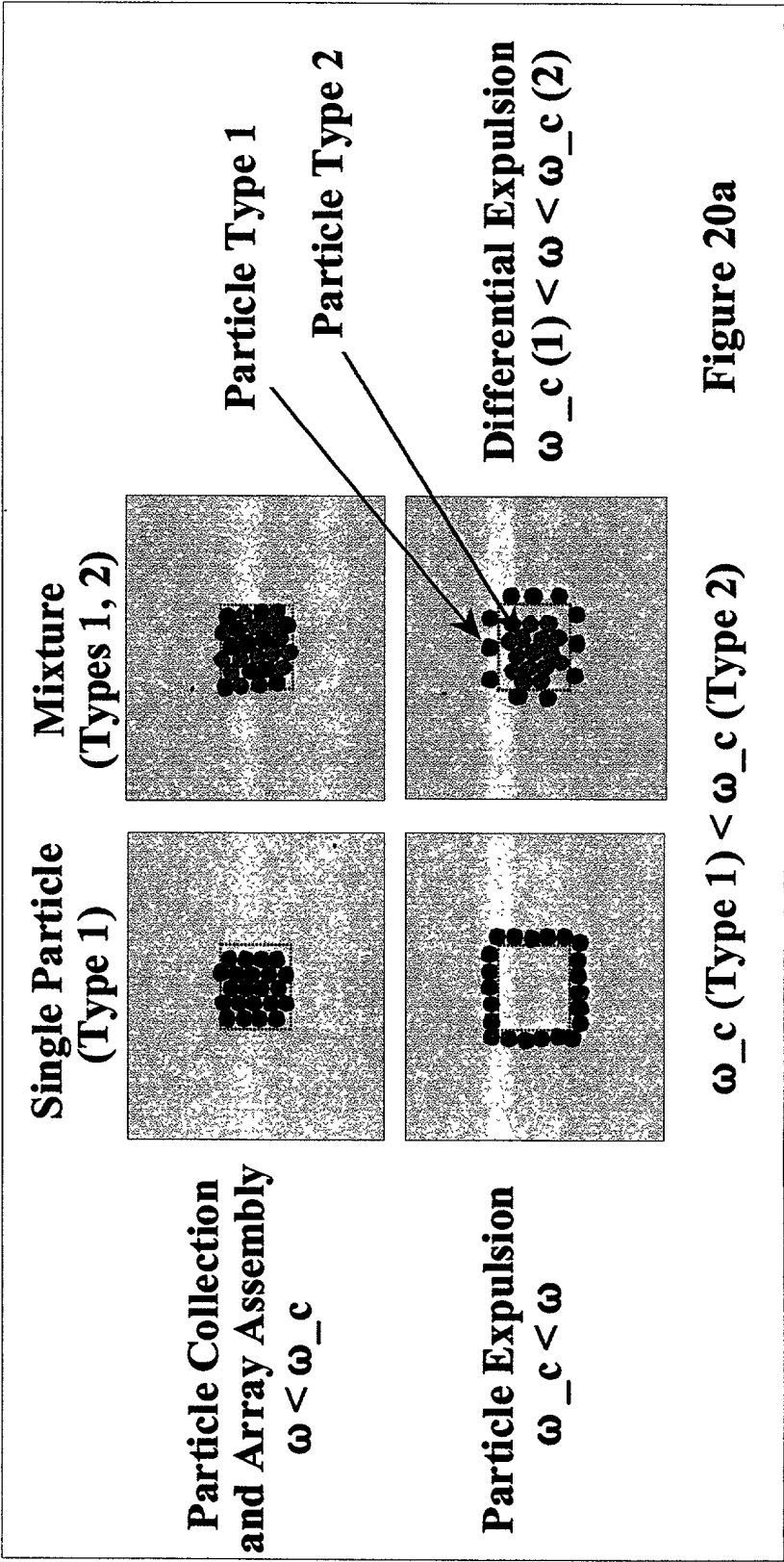
LCD PARSE



Figure 19

FRACTIONATION

Differential Frequency Dependence of Particle Expulsion
(NOTE: ω_c denotes a characteristic frequency)



FRACTIONATION

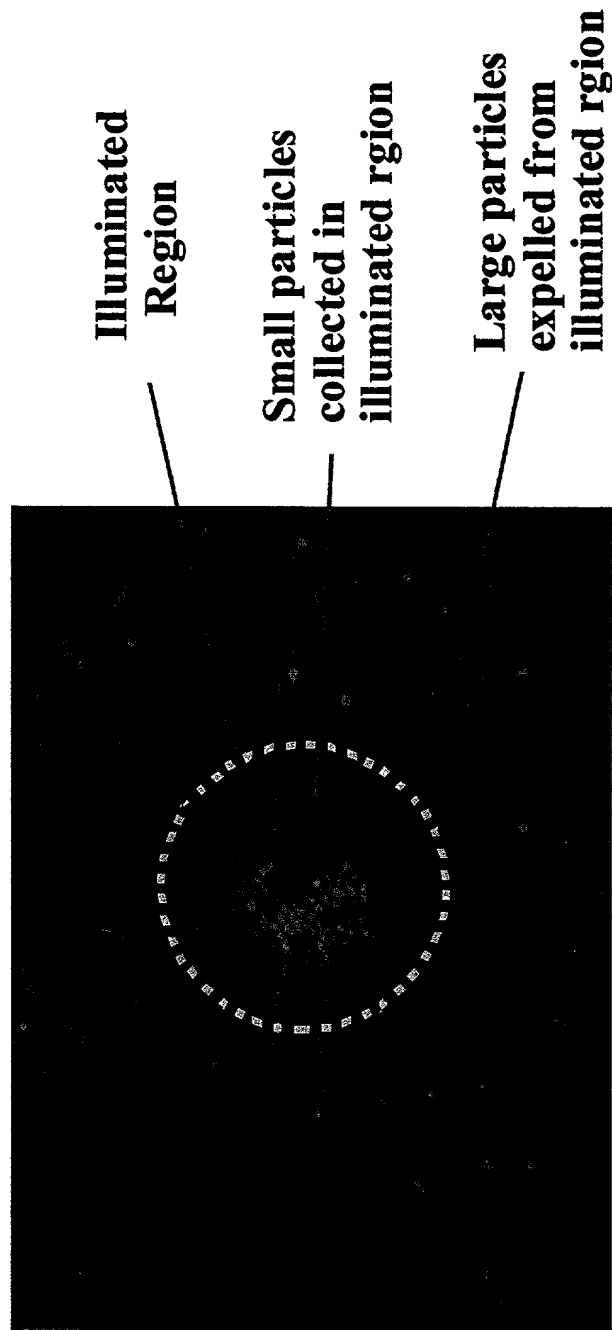
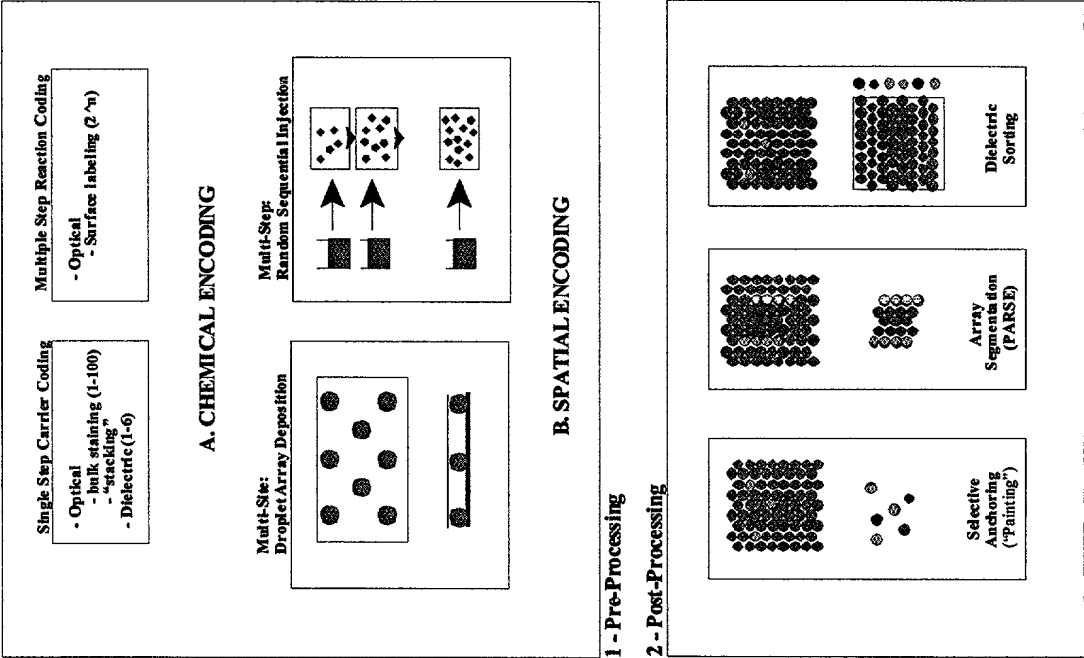


Figure 20b



RANDOM SEQUENTIAL INJECTION

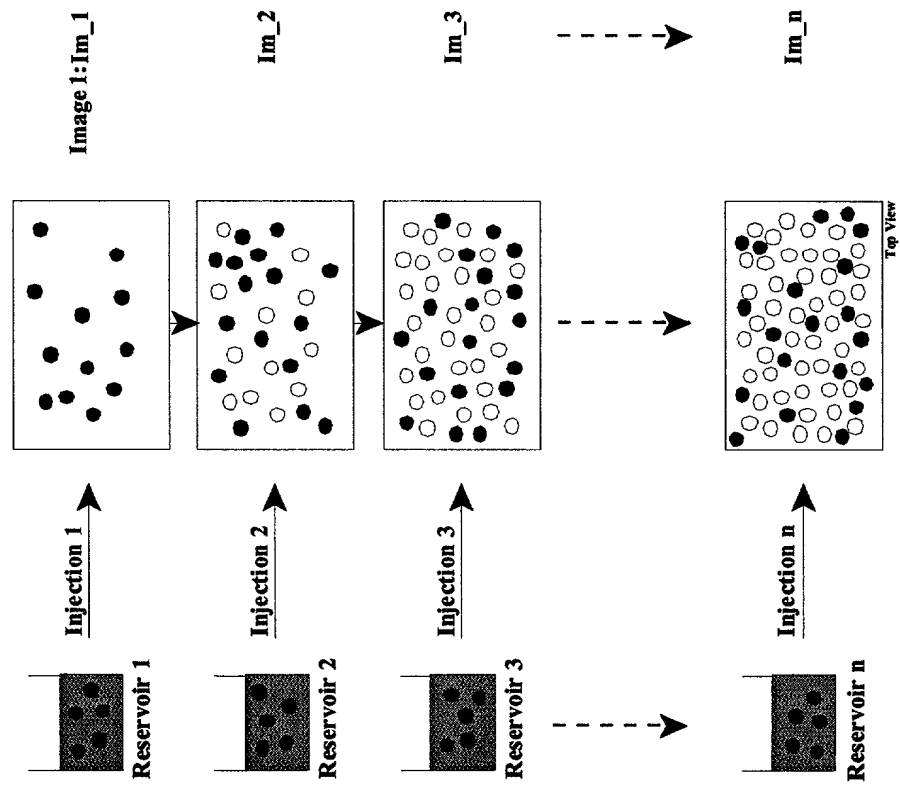


Figure 23

SEQUENTIAL INJECTION & LIGHT-CONTROLLED ARRAY PLACEMENT

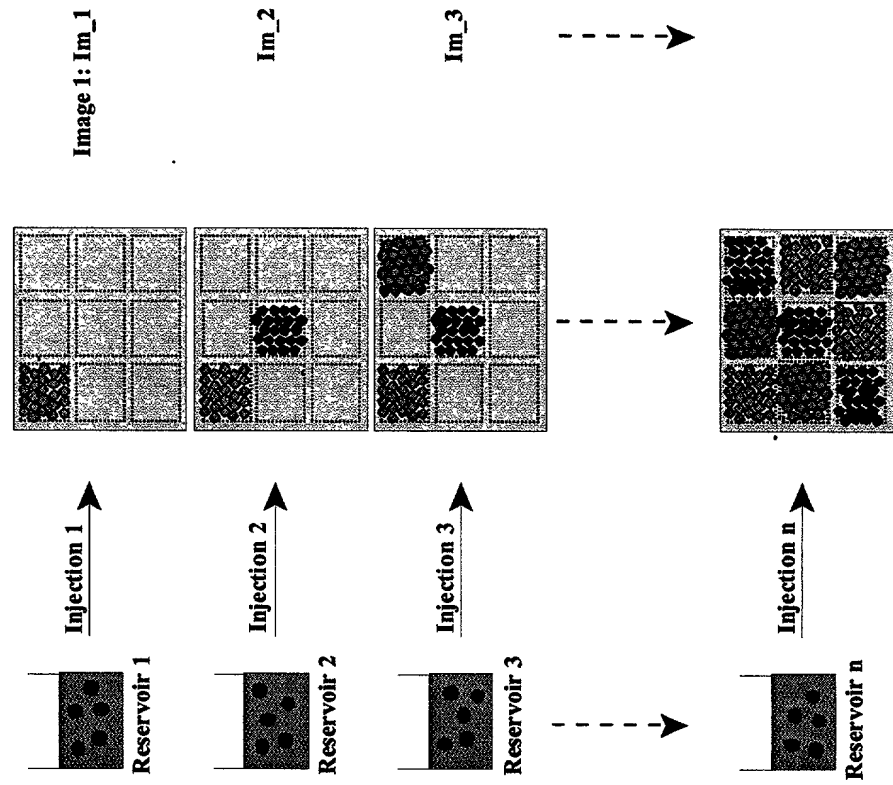


Figure 24

MACRO-TO-MICRO TRANSITION

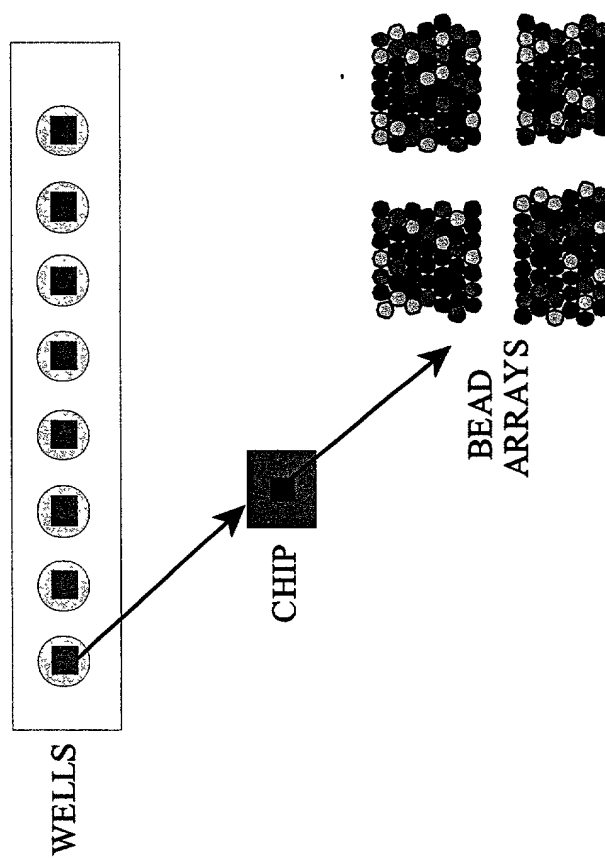


Figure 25a

ARRAY ENCODING

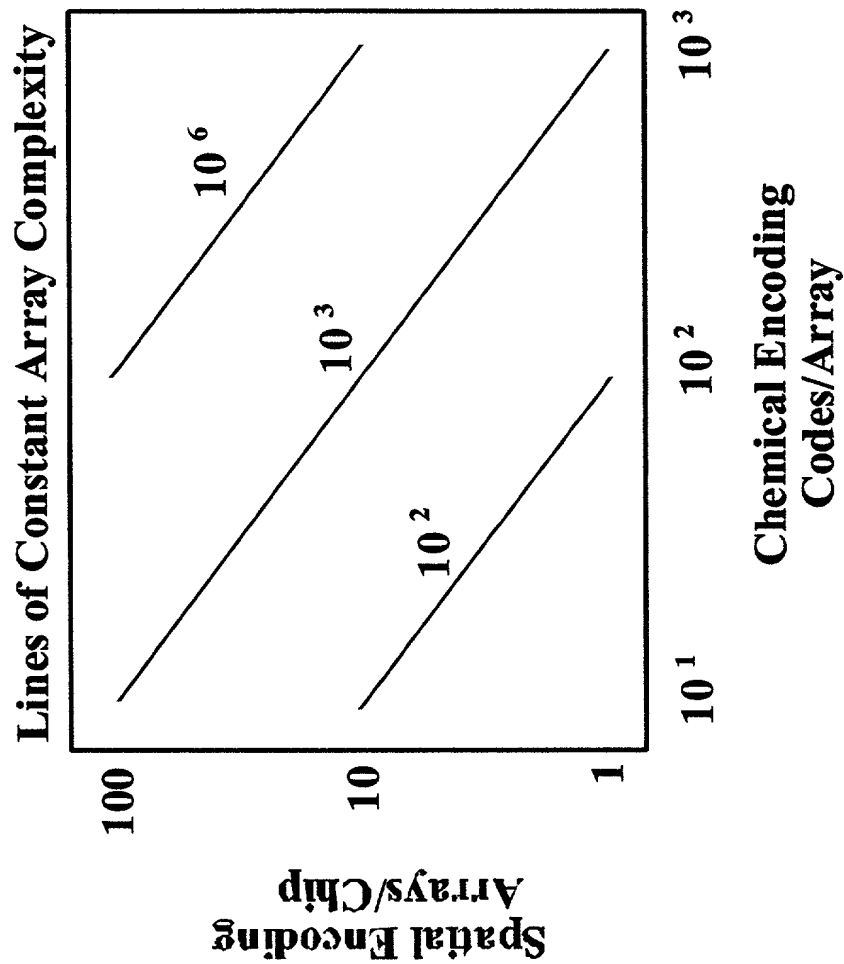


Figure 25b

ARRAY ENCODING

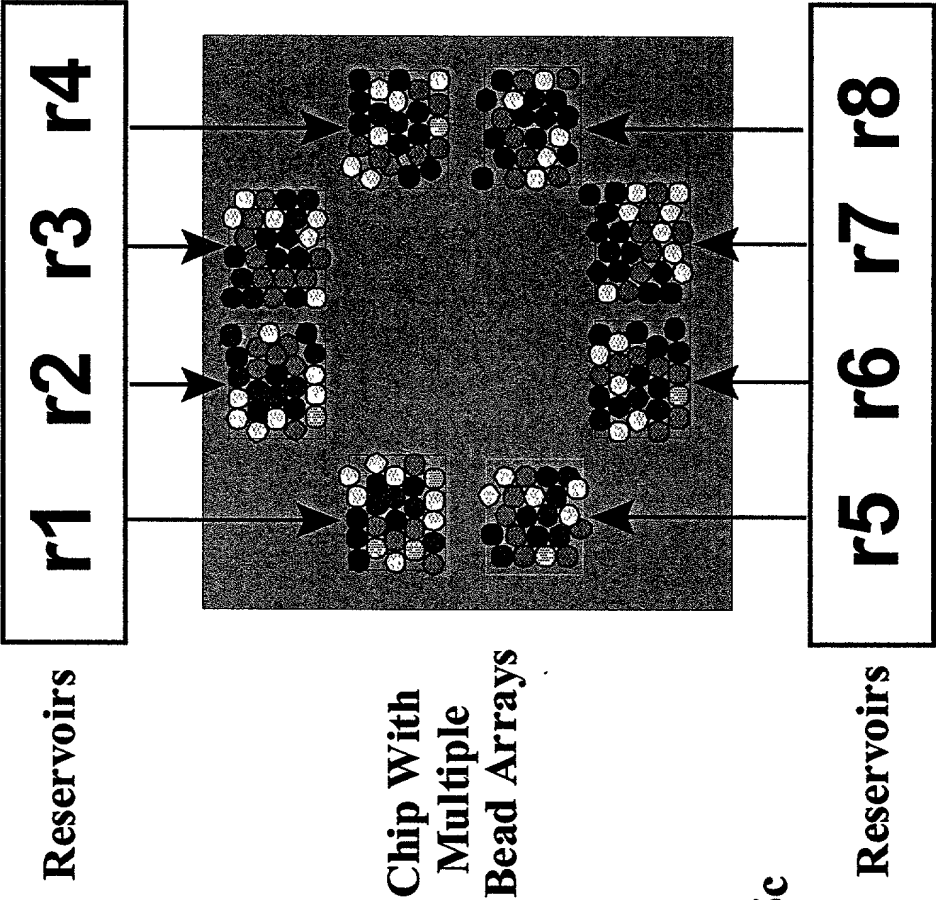


Figure 25c

SEQUENTIAL ASSEMBLY: "BANDING"

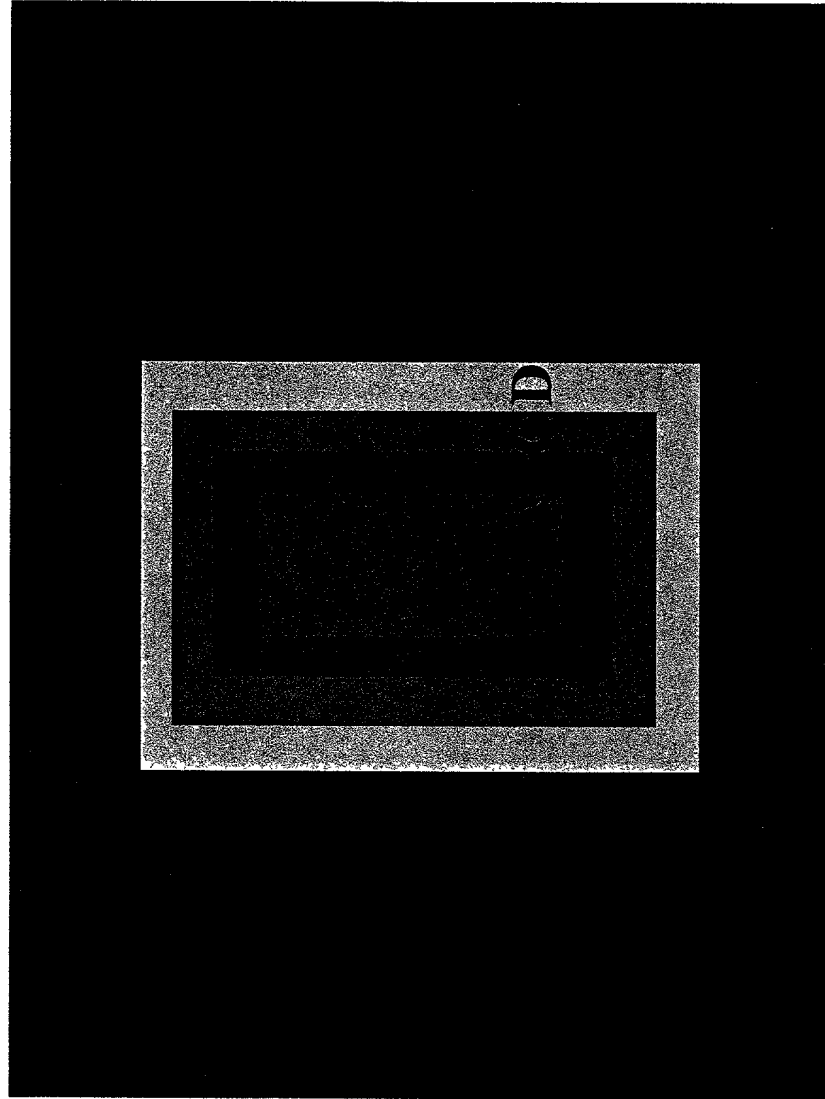


Figure 26a

LCD PARSE



Figure 27

ARRAY OF RANDOM SUBARRAYS

A UNIQUE TWO-DIMENSIONAL BAR CODE

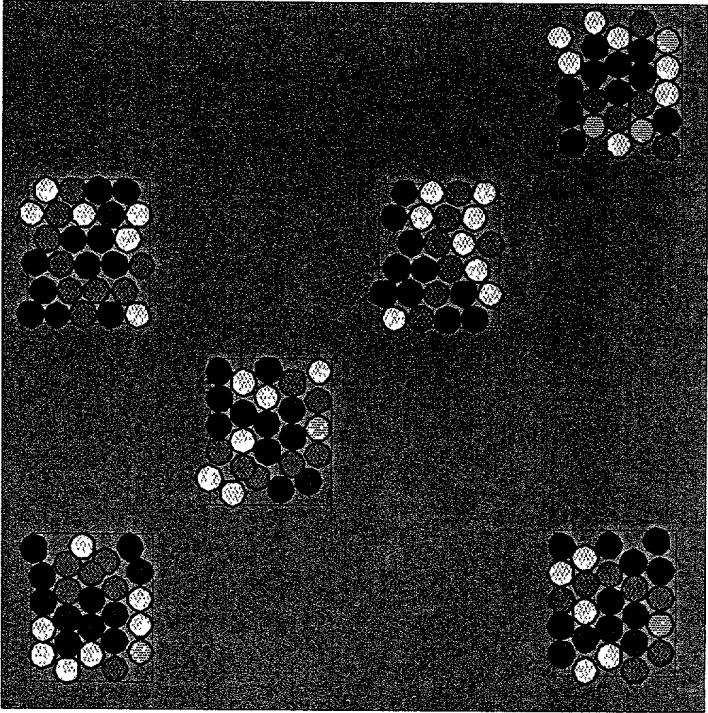


Figure 28

LIGHT-INDUCED FLUID FLOW



Figure 29